



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

Sm

February 6, 2006

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 19103-2029
ATTN: James W. Hagedorn (3AT23)

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Steve Hepler

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 06-0038
ACHD Reference Number: N/A
100 Carbonate Unit
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

Anton Lukac
Plant Manager
Clairton Works

RECEIVED
(FEB 13 2006
Division Director (3AP00)

NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. **USS Reference Number:** 06-0038
ACHD Reference Number: N/A
2. **Date & Time of Breakdown:** Date: 02/01/06 Time: 2355 hours
3. **Company Name:** U.S. Steel Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** 100 Carbonate Unit
5. **BAPC Permit Number (if applicable):**
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** Intermittent operational problems occurred at the 100 Vacuum Carbonate Unit and coke oven gas was passed through the Sulfur Plant. The root cause was traced to a failed control valve in the rich carbonated solution service causing a temporary upset of the 100 Vacuum Carbonate Unit.
8. **Identification of Emissions:**
 - A. **Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)**
Intermittent elevated H₂S in the down river gas line system, causing increased SO₂ at point of combustion.
 - B. **Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality).** SO₂ is an eye, nose, and throat irritant.
 - C. **Amount of each type emitted (or likely to be emitted).**
Light
9. **Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).**
Operations by-passed the control valve. The 100 Carbonated Unit was stabilized at 0035 hours on 02/02/06 and the control valve is being operated manually until the automated valve can be replaced.
10. **Facility back in operation - Date: Time: hours**

Signature

Coleen M. Davis

Date

2/7/06

Coleen M. Davis

Senior Environmental Control Engineer

Phone: 233-1015